AMSAT News Service Weekly Bulletins
Issue: ANS-134
Date: 2006-05-14
Sources: amsat-ans-2006-ans-134-weekly.txt

AMSAT NEWS SERVICE
ANS-134

ANS is a free, weekly, news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

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SB SAT @ AMSAT $ANS-134.01
2006 AO-51 Field Day Configuration

AMSAT News Service Bulletin 134.01
 From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.01

This year, AO-51 will be setup in dual FM repeater mode, allowing for two usable FM repeaters from the satellite. The FM repeater utilizing the transmitter on 435.300 will be open to all users. The FM repeater utilizing the transmitter on 435.150 (normally reserved for BBS operations) will be reserved during Field Day for QRP stations only, as has been the common practice when this mode runs on AO-51. Please note the information on the mode configurations and QRP requirements.

FM Repeater #1 for all Users:
Downlink: 435.300 mhz FM
Uplink: 145.920 mhz FM

FM Repeater #2 for QRP Users ONLY:
Downlink: 435.150 mhz FM
Uplink: 145.880 mhz FM

AO-51 ECHO LOW POWER STATION (QRP) REQUIREMENTS:
To attempt to keep this simple, a low power station will be defined as a station which can deliver no more than 10 watts to a vertical or handheld antenna. These are some examples of Low Power Stations:

* Using an HT (barefoot, no amplifier) with 10 watts or less output into any type of vertical whip antenna (rubber duck, etc) or handheld beam antenna (arrow type).

* Using a mobile station with 10 watts or less output into car mounted mobile whip antenna(s).

* Using a base station at 10 watts output into a vertical
omni-directional antenna on the side of the house.

Examples that are NOT Low Power Stations:

* Any type of high gain beam antenna, KLM, M2, Cushcraft, etc.

* Any station transmitting over 10 watts into any type of antenna.

[ANS thanks Mike, KE4AZN, for the above information]

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SB SAT @ AMSAT $ANS-134.02
What is new at Dayton 2006?

AMSAT News Service Bulletin 134.02
 From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.02

In additon to the AMSAT forums, satellite demonstrations, EAGLE
transponder demo, Banquet and talk, Educational forum you will find many
new items at the AMSAT booth #444-448.

Come by and talk with other satellite operators, officers and Board
members, renew your membership, donate to Eagle and get the latest
offerings.

See you Hara Arena, Dayton, OH May 19-21, 2006

New and Updated items
Digital Disk (*** NEW) WiSP + digital test files 400 bps-38k4 bps plus..
Proceedings of the AMSAT-NA 2005 Space Symposium (*** NEW Interesting
papers)
AMSAT/Eagle Golf shirts, tee shirts and hat (*** NEW)
AMSAT/Eagle patches and decal (*** NEW)
Getting Started with Amateur Satellites (*** Updated 2006)
AMSAT Frequency Chart (*** Updated 2006)

Dayton Specials
SatPC32 software -   (**** Dayton Special)
SCRAP software -   (**** Dayton Special)
InstantTrack software - (**** Dayton Special)
30th Anniversary AO-7 QSL Cards (**** Dayton Special for 100 cards)
For a $5 or more donation to Eagle get an AMSAT Refrigerator Magnet or
AMSAT Pen

Regular Membership - will receive
   Renewing: AMSAT Tote and Frequency chart
   New member: AMSAT Tote, Frequency chart, Journal, Presentation

[ANS thanks Gould, WA4SXM, for the above information]

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SB SAT @ AMSAT $ANS-134.03
AMSAT-NA Board of Directors Nomination Deadline

AMSAT News Service Bulletin 134.03
 From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.03

It is time to submit nominations for the upcoming open seats on the AMSAT-NA Board of Directors. A nomination requires either one Member Society or five current individual members to noninate an AMSAT member for the position. A director serves for a period of two years. Three directors' terms expire this year: Tom Clark, K3IO, Lou McFadin, W5DID, and Paul Shuch, N6TX. Written nominations must be received at the AMSAT office no later than 12 June 2006.

Nominations MUST be in writing and mailed to:
AMSAT
850 Sligo Ave #600
Silver Spring, MD 20901

[ANS thanks the AMSAT Journal for the above information]

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SB SAT @ AMSAT $ANS-134.04
ARISS antenna installation on Columbus Module

AMSAT News Service Bulletin 134.04
 From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS
BID: $ANS-134.04

The European Space Agency's International Space Station Columbus module is expected to arrive at NASA's Kennedy Space Center on 30 May 2006, where it will be prepared for its launch to the space station on the space shuttle.

As announced in the ARISS-Europe News Bulletin of 02 May 2006, the cables for the ARISS antennas for the 23cm and 13cm Amateur bands are presently being installed on the hull of Columbus.

ARISS team member Oliver Amend, DG6BCE took photos of the work in progress, see:
http://www.southgatearc.org/news/may2006/ariss_antennas_columbus.htm

Columbus will provide state-of-the-art internal payload accommodation for experiments in material science, fluid physics and life science, and its external payload facility will host experiments and applications in the field of space science, Earth observation and technology

[ANS thanks Trevor, M5AKA, for the above information]

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SB SAT @ AMSAT $ANS-134.05
ARISS Status - 08 May 2006

AMSAT News Service Bulletin 134.05
 From AMSAT HQ SILVER SPRING, MD.
May 14, 2006
To All RADIO AMATEURS

BID: $ANS-134.05

1. Bob Jones High School Contact Successful

On Monday, May 1, Jeff Williams, KD5TVQ, participated in his first ARISS contact with students from Bob Jones High School in Madison Alabama. Seventeen questions were asked by 13 students via the telebridge station VK5ZAI in Australia. Among the 100 students and teachers attending the event was Jeff Williams' brother. Media coverage included the Huntsville Times and the Madison County Record. The audio from this contact was webcast by Verizon Conferencing and was fed into the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference servers. Eighteen connections, including three repeaters, were made from 7 countries. Nine connections were also made on the IRLP Discovery reflector 9010 from 3 countries: UK, USA, and Canada.

ARRL's article, "ROTC Cadets at Alabama School Query ISS Astronaut," covered the news and may be found at:
http://www.arrl.org/news/stories/2006/05/05/1/?nc=1

2. Canadian School Contact, a Success

Jaanimmarik School in Kuujjuaq, Quebec, Canada experienced a successful contact with the ISS on Thursday, May 4 via the telebridge station VK5ZAI in Australia. Jeff Williams, KD5TVQ, answered twenty-three questions posed to him by 18 students. The event was well attended by approximately 450 students, teachers and parents. Among the dignitaries present were the president and CEO of Makivik Corporation, Senator C. Watt, local officials, and elders from the community school board from the Montreal and local offices. Media coverage was provided by a local radio station which broadcast the event live, translating the contact in Inuktituk, CBC North, and APTN (Northern Canada TV Network). APTN is producing a presentation for later broadcasting. The City of Ottawa media also reported the event. The audio from this contact was webcast courtesy of Verizon Conferencing and was fed into the EchoLink AMSAT (node 101 377) and JK1ZRW (node 277 208) conference servers. Twenty-three connections were made, of which two were repeaters, from 9 countries, including Bangladesh, Holland and Thailand. It was also available on the IRLP Discovery reflector 9010.

3. Space Day Event at the Udvar-Hazy Center

On Friday, May 5, ARISS members participated in the Space Day activities at the Steven F. Udvar-Hazy Center. AMSAT and ARISS members provided displays and hands on activities for the students. Approximately 10,000 visitors were expected to attend the event.

4. ARRL Article on Expedition 14 Hams

On May 3, ARRL ran a story covering the newly named Expedition 14 crew, all licensed Amateur Radio operators. The article, "Three radio amateurs on next ISS crew", may be found at: http://www.arrl.org/

5. Cleveland Heights High School contact

Students at the Cleveland Heights High School participated in an ARISS contact on March 17. Photos of the event are now available. See:
http://www.chuh.org/chhs/library/podcasts/Kidpics/index.htm

6. Technical Interchange Meeting Planned

An ARISS Technical Interchange Meeting is being planned for the week of July 10 in Houston. Topics of discussion will include ARISS hardware, software, slow scan television, and plans for SuitSat-2.

7. SuitSat-1 Contest

AMSAT is planning a "Chicken Little" contest to see who can guess when SuitSat-1 will re-enter the earth's atmosphere. There will be K-8, 9-12 and adult categories. Certificates will be provided to the winners of each group. More information will be forthcoming.

[ANS thanks Carol, KB3LKI for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

73, This week's ANS Editor,
Lee McLamb, KU4OS